Permit #: 20068

County: Sates

CONFIDENTIAL UNTIL:

Date Issued: 4-9-93

Date Cancelled:

Date Plugged: 4-1497

OGC FORMS	Date Received
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2	
3	4-8-93
3i	
4	
4i	
5	4.5.75.4
6	
7	20° / C.H
8	6
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Misc. Form 2	

Analyses			Samples	I	Logs	
core	water	core	chip			TYPE
						ID#
						Date Received

Additional Submitted Data:

COMMENTS:



MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI OIL AND GAS COUNCIL

DECE!



APR 08 1993

APPLICATION	FOR PERMIT TO	DRII I.	DEEPEN.	OR PLUG BACK

APPLICATIO	ON TO DRILL	☐ DEEPEN	I PLU	G BACK	TOR AN O	IL WELL	OUNCIL OR GAS WELL
NAME OF COMPANY OF	OPERATOR					DATE	
Colt Energ	gy, Inc.					4-8-93	
Box 388			Iola,	- 1 - T-1/2-2-2-1			66749
DESCRIPTION	OF WELL AN	U LEASE		<b>《美国大学》</b>		elektropischer et star	Mary of Michael S
Karli	n-Harden		WELL MIMBER	2-22		842	
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		22	41		00	Da ces	
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PROPOSED DÉPTH		TILLING CONTRACTOR, NA	ME AND ADDRESS	HOTA	ARY OR CABLE TOOLS	APPROX. DATE WORK V	
650	# . <del>* </del>	Evans Energy		· · · · · · · · · · · · · · · · · · ·	Rotary	4-12-93	
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		MBER OF ABANDON				NO. OF WELLS: PI	TODUCING 0
NAME							INJECTION
ADDBESS							INACTIVE
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STATUS OF	BOND	AMOUNT \$		- W	AMOUNT \$ 8		ATTACHED
PROPOSED CAS	NG PROGRAM	•		APPROVED CA	SING TO BE	FILLED IN BY STA	ATE GEOLOGIST
AMOUNT	SIZE	WT/FT	ÇEM.	AMOUNT	SIZE	W/T/FT	CEM.
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				1			
1 the undersign	ed, state that	I am the Age	nt		of the Col	t Energy, Inc	**
(company), and	that I am aut	horized by said co					nder my supervision
and direction as	that the lac	ts stated thereig a	re true, correct,	and complete to	the best of m	y knowledge.	
SIGNATURE	)	1211				DATE	
	Inna	Lestin				4-8-9	13
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APPRILITY AL DATE				ANALYSIS REQUIRE	D IF RUN	DRILL STEM TEST IN	NFO. REQUIRED IF HUN
A.	- 9 - 93	3	1	ES NOT REQUIRED			
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APPROVAL OF THE	S PERMIT BY		UNCIL DOES NOT			THE GEOLOGIC MER	ITS OF THE PROPOSED
1			of the				_ Company confirm
that an approve	ed drilling pe	rmit has been of permit number as	otained by the o	owner of this w	ell. Council a	pproval of this prive.	Company confirm ermit will be shown
DOILY TO S SIGNATURE					Toproportati	DATE	
1							

## W. C. LETHCHO

COUNTY ENGINEER & SURVEYOR **Bates County Court House BUTLER, MO. 64730** Phone 679-4031

APRIL 7, 1993

WELL REFERENCE TIES SECTION 22 TOWNSHIP 41 NORTH, RANGE 33 WEST

1"=50"

PROPOSED WELL

KARLIN/HARDIN 2-22

MAG BRGS 8° EAST DECL

SHEET 1 OF 2

COLT ENERGY. INC. 4500 COLLEGE BLVD SUITE 308

OVERLAND PARK, KS 66211

ATTN: JOHN G. GOLSON

913-451-3807

THIS IS TO CERTIFY THE REFERENCE TIES SHOWN ARE IN ACCORDANCE WITH CURRENT MINIMUM STANDARDS.

REFERENCE A - N25°W 25.2' TO 5" ELM

B - S31°E 185.0' TO EAST BRACE POST C - S20°E 169.0' TO WEST GATE POST

Α

D - S07°E 159.9" TO 2ND STEEL FENCE POST WEST OF GATE PROPOSED WELL IS 190' NORTH OF SECTION LINE

APR 09 1993

MO Oil & Gas Council

©KH 2-22 C B ROUTE J SECTION LINE





# MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI OIL AND GAS COUNCIL WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

ECEIVE FOR OGC-5

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ECEIVE

APR 26 1993

Custom oil & gas drilling

Lease Development

MO Oil & Gas Council

310 N. Hospital Drive

Paola, Kansas 66071

(913) 294-9083

WELL LOG
Karlin - Harden 2-22
Colt Energy, Inc.
Permit #20068
April 13 - April 14, 1993

	a sala sala la	
Thickness of Strata	Formation	Total
8	soil & clay	8
29	shale	37
10	lime	47
12	shale	59
18	lime	77
12	shale	89
4	lime	93
2	shale	95-dark
3	lime	98
3	shale	101
5	sand	106-brown, tight, no show
1	sand	107-gray, limey
16	shale	123
2	lime	125
2	shale & lime	127-green shale & lime
14	lime .	141
9	shale	150
7	lime	157
4	shale	161
4	silty shale	165-gray
2	sand	167-brown, light bleeding
4	sand	171-brown, good bleeding
4	sand & shale	195-brown, light bleeding, sand & gray shale
4	shale	179
2	sand	181-brown, good bleeding
17	sand	198-silty, gray
21	sand & shale	219-thin laminations, gray sand & gray shale
7	sand	226-light gray with black shale seams
6	sand	232-clean, gray
6	sand & shale	238-gray sand & dark shale
11	shale	249-dark
5	lime	254-black
6	shale	260-dark
26	shale	286-gray

287

323

324

coal

shale

coal

36

## Karlin - Harden (con't)

8	shale	332
	silty shale	337
5 2	sand	339-gray, few brown sand laminations
6	sand & shale	345-thin laminations, dark shale & gray sand
10	shale	355-dark
	shale	359-light gray, silty
5	shale	364
4 5 3 4 1	silty sand	367-gray, few brown sand laminations
4	shale	373-dark
	shale	374-light gray
2	silty sand	376-gray, few brown sand laminations
1	sand & shale	377
9	sand	386-light gray, clean
2	sand & shale	388-light gray sand & dark shale
9 2 7	sand	395-light gray, clean
9	sand & shale	404
9	shale	413-medium gray
24	shale	437-dark
	sand	439-gray
2 2	lime & shale	441-brown
11	shale	452-dark
22	sand & shale	474-light gray sand & dark shale laminated
20	shale	494-dark
1	lime	495-TD-Mississippian

Set 20.0' of 7" T & C Surface Casing.

This well was plugged with 60 sacks from 495' to the surface on 4/14/93.



MO Oil & Gas Council

MO 780-0217 (10-87)

## MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI OIL AND GAS COUNCIL

## **PLUGGING RECORD**

ECEIVE

OWNER						ADDRESS		1	D 0 0 1007		
	t Energy,	Inc.				P.O. Box 388, Iola, KS 667492 6 1993					
NAME OF LEAS	ŠĒ.				and Vitaliana server and account	WELL NUMBER	PERMIT NUME	PERMIT NUMBER (OGC-3 OR OGC-31 NUMBER)			
	lin-Harde	n				2-22	20068	MO Oil	& Gas Counci		
190F	SL 4780				22-41	1		ates			
APPLICATION	TO DRILL THIS WE	ELL WAS FILED II	NAME OF:	OIL OR G	AS?	CHARACTER OF WELL AT COMPL OIL (BBLS/DAY)		( PRODUCTION)  ACF/DAY)	DRY?		
Colt	t Energy,	Inc.		□ v	ES NO		WATER (BBLS		Yes		
4-14		495			OIL (BBLS/DAY)	GAS (MCF/DAY) -0-		-0-			
Name of each formation containing oil or gas. Indicate which formation open to well bore at time of abandonment.					f each formation	Depth interval of each fo	rmation	Size, kind, & depth of plugs used, giving amount cement.			
Saui	irrel		Liah	t Oil	Sat.	165-232		Cemente	d Well From		
	tlesville		"	11	11	374-404			urface using		
200.000	sissippi		Noi	20		494-495		60 sxs			
11155	51551pp1		NOI			434-433		00 3/3			
SIZE PIPE					LEFT IN WELL (FT)	GIVE DEPTH AND METHOD OF PARTING CASING (SHOT, RIPPED, ETC.)	PACKERS AND SHOES				
7"	7" 20 4			16	Cut surface p	pe off	pe off below plow depth				
					<u> </u>						
						<u></u>					
	LED WITH MUD-LA				INDICATE DEEPEST FO	RMATION CONTAINING FRESH WA	TER				
	ented to										
NAME AN	D ADDRESS	ES OF ADJ	CENT LE	ASE OP	ERATORS OR OW	NERS OF THE SURFACE					
	NAR	WE			ADD	RESS		DIRECTION FR	OM THIS WELL		
Char	rles A. K	arlin		119	17 Goddard	Surface Own					
				0ve	rland Park,	KS 66213					
				-							
METHOD	OF DISPOS	AL									
OF MUD PIT CONTENTS  Pumped fluid out - push					d out - push	ned pit in					
NOTE	FILE THIS FORM	IN DUPLICATE V	VITH (USE REV	ERSE SIDE	FOR ADDITIONAL DETA	IL)					
CERTIF	ICATE > 1	the undersi	gned, state	that I a	m the	Agent		Colt Ener			
	(	Company),	and that I	am autl	horized by said co	empany to make this repo ed therein are true, corre	rt; and tha	t this report	was prepared under my		
SIGNATURE	(L	ennis	11 1	ne	_			4-22-93	,		
MO 780-0217	(10.87)	P. P.	EMIT TWO C	OPIES TO	D: MISSOURI OIL AND	GAS COUNCIL, P.O. BOX 250,	ROLLA, MO	65401			